

jc997 U.S. P. 12  
09/991053  
11/21/01

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

FIRST-NAMED INVENTOR: Shimkets

FOR: Novel Nucleic Acid Sequences Encoding Human Slit-, MEGF-,  
and Roundabout-like Polypeptides

Assistant Commissioner for Patents  
Washington, D.C. 20231

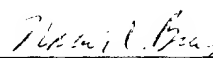
**INFORMATION DISCLOSURE STATEMENT AND ACCOMPANYING  
FORM PTO-1449**

Applicants submit herewith copies of modified PTO-1449 forms submitted in parent application USSN 09/520,781 from which the presently filed application claims priority. Copies of the references listed therein are not enclosed but will be provided upon request. Applicants request that each of the listed documents be made of record in the presently filed application.

This information disclosure statement is being submitted concurrently with the filing of the application. Accordingly, no fee is believed due. However, the Commissioner is authorized to charge any fees due, or credit overpayments of same, to Deposit Account No. 50-0311, Ref. No. 15966-540 CON-S10 (Cura-40 CON-S10).

Respectfully submitted,

Dated: November 21, 2001

  
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09/991053  
11/21/01

Modified Form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Application Number</b>	09/520,781
	<b>Filing Date</b>	March 8, 2000
	<b>First Named Inventor</b>	Shimkets
	<b>Group Art Unit</b>	1646
	<b>Examiner Name</b>	Not Yet Assigned
	<b>Attorney Docket Number</b>	15966-540 (Cura-40)

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	A1						

FOREIGN PATENT DOCUMENTS							
Exam Initials	Cite No.	Foreign Patent Document Office	Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes	No
	B1	EP	913471-A2	SmithKline Beecham Corporation	5/6/99		
	B2	WO	98/39441-A1	Incyte Pharmaceutical, Inc.	9/11/98		
	B3	WO	98/27205-A2	Genetics Institute, Inc.	6/25/98		
	B4	WO	99/27094-A2	Sagami Chemical Research Center	6/3/99		
	B5	WO	98/33910-A1	Incyte Pharmaceutical, Inc.	8/6/98		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1	Artigiani et al. (1999). "Plexins, semaphorins, and scatter factor receptors: a common root for cell guidance signals?" <u>IUBMB Life</u> 48(5): 477-82.
	C2	Chen et al. (2000). "Embryonic expression and extracellular secretion of Xenopus slit." <u>Neuroscience</u> 96(1): 231-6.
	C3	Nomura et al., (2000) "Prediction of the Coding Sequences of Unidentified Human Genes. I. The Coding Sequences of 40 New Genes (KIAA0001 - KIAA0040) Deduced by Analysis of Randomly Sampled cDNA Clones From Human Immature Myeloid Cell Line KG-1" <u>DNA Res.</u> 1: 27-35. <u>GenBank</u> , Accession Number Q15391, 02/15/00.
	C4	Diarra-Mehrpour et al., (2000) "Human Plasma Inter-Alpha-Trypsin Inhibitor is Encoded by Four Genes on Three Chromosomes." <u>Eur. J. Biochem</u> 179: 147-154. <u>GenBank</u> , Accession Number X14690, 07/14/95
	C5	Fortkamp et al., (1986) "DNA Sequence Encoding A Hirudin-Like Protein and Process for Preparing Such Protein" <u>WO 86/03517A1</u> <u>GenBank</u> , Accession Number A00633, 01/28/93.
	C6	MacDonald et al., (1995) "H. sapiens CpG island DNA genomic MseI fragment, clone 90b5, reverse read cpg90b5.rta" <u>Direct Submission</u> . <u>GenBank</u> , Accession Number Z63792, 10/22/95.
	C7	MacDonald et al., (1995) "H. sapiens CpG island DNA genomic MseI fragment, clone 90b7, reverse read cpg90b7.rta" <u>Direct Submission</u> . <u>GenBank</u> , Accession Number Z63794, 10/22/95.
	C8	Holmes et al., (1998) "Distinct But Overlapping Expression Patterns of Two Vertebrate Slit Homologs Implies Functional Roles in CNS Development and Organogenesis." <u>Mech. Dev.</u> 79: 57-72, <u>GenBank</u> , Accession Number AAD04309, 03/04/99.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C9	Oberthur et al., (1982) "Hemoglobins, XLVII. Hemoglobins of the Bar-Headed Goose ( <i>Anser Indicus</i> ): Primary Structure and Physiology of Respiration, Systematic and Evolution." <u>Hoppe-Seyler's Z. Physiol. Chem.</u> 363: 581-590. <i>GenBank</i> , Accession Number <b>HBGSI</b> , 11/14/97.
	C10	Gendler et al., (1988) "A Highly Immunogenic Region of a Human Polymorphic Epithelial Mucin Expressed by Carcinomas is Made Up of Tandem Repeats." <u>J. Biol. Chem.</u> 263: 12820-12823. <i>GenBank</i> , Accession Number <b>A28938</b> , 06/18/93.
	C11	Arnold, (1989) "nifF protein (AA 1-176) [ <i>Klebsiella pneumoniae</i> ]" <u>Direct Submission</u> . <i>GenBank</i> , Accession Number <b>CAA31680</b> , 02/10/99.
	C12	The et al., (1992) "Molecular Characterization and Structural Organization of D- <i>elg</i> , ad Ets Proto-Oncogene-Related gene of <i>Drosophila</i> ." <u>Oncogene</u> 7: 2471-2478. <i>GenBank</i> , Accession Number <b>X68259</b> , 01/15/93.
	C13	Johnson, (1990) "A31R protein - vaccinia virus (strain Copenhagen)" <u>Direct Submission</u> . <i>GenBank</i> , Accession Number <b>F42520</b> , 04/08/94.
	C14	Kleinschmidt et al., (1989) "The Primary Structure of Pale-Throated Three-Toed Sloth ( <i>Bradypus tridactylus</i> , <i>Xenarthra</i> ) Hemoglobin." <u>Biol. Chem. Hoppe-Seyler</u> 370: 303-308. <i>GenBank</i> , Accession Number <b>HBOWP</b> , 11/14/97.
	C15	Ershler et al., (1992) "Identification of New Protein Kinase Genes, Similar to Kinases of the CDC2 Family and Expressed in Murine Hematopoietic Stem Cells." <u>Dokl. Adad. Nauk.</u> 324: 893-897. <i>GenBank</i> , Accession Number <b>CAA46200</b> , 11/14/95.
	C16	Both et al., (1984) "Nucleotide Sequence of the DSRNA Genomic Segment 7 of Simian 11 Rotavirus." <u>Nucl. Acids Res.</u> 12:1621-1626. <i>GenBank</i> , Accession Number <b>MNXR4S</b> , 07/16/99.
	C17	Scherrer, (1991) "Prosomal p27K protein [ <i>Homo sapiens</i> ]" <u>Direct Submission</u> . <i>GenBank</i> , Accession Number <b>CAA42052</b> , 07/23/93.
	C18	Alonso et al., (1987) "CDNA Cloning and Sequence of MAL, a Hydrophobic Protein Associated with Human T-Cell Differentiation." <u>Proc. Natl. Acad. Sci. USA</u> 84: 1997-2001. <i>GenBank</i> , Accession Number <b>P21145</b> , 02/15/00.
	C19	Yuan et al. (1999). "The mouse SLIT family: secreted ligands for ROBO expressed in patterns that suggest a role in morphogenesis and axon guidance." <u>Dev Biol</u> 212(2): 290-306.

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

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Jc997 U.S. PTO  
09/991053  
11/21/01

<b>FORM PTO-1449 (Modified)</b>  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  NOVEL POLYNUCLEOTIDES AND PROTEINS ENCODED THEREBY	ATTY. DOCKET NO. 15966-540 (Cura-40)	SERIAL NO. 09/520,781
	APPLICANT Shimkets, et al	
	FILING DATE March 8, 2000	GROUP 1632

**U.S. PATENT DOCUMENTS**

Exam Init	Ref Des	Document No.	Date	Name	Class	Sub Class	FILING DATE If Appropriate

**FOREIGN PATENT DOCUMENTS**

		Country & Doc. No. (11)	Pub. Date (43)		Class	Sub Class	Translation Yes No
	B1	WO 9630406	10/3/96	Human Genome Sciences, Inc.			

**OTHER ART**

(Including Author, Title, Date, Pertinent Pages, Publication, Etc.)

	C1	Shirozu et al., 1996. "Characterization of novel secreted and membrane proteins isolated by the signal sequence trap method." Genomics 37: 273-280.
	C2	Jacobs et al., 1997. "A genetic selection for isolating cDNAs encoding secreted proteins." Gene 198: 289-296.
	C3	Kopczynski et al., 1998. "A high throughput screen to identify secreted and transmembrane proteins involved in Drosophila embryogenesis." Proc. Natl. Acad. Sci. USA 95: 9973-9978.
	C4	PCT International Search Report for PCT/US 00/ 06280 (July 20, 2000)

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered

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